

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L12 | 11 | ("4787958" "5248632" "5376584" "5384283" "5418186" "5462638").PN. OR ("5620611").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/30 16:41 |
| L11 | 9 | ("5462638" "5486282" "5620611" "5796168" "5937320" "6293457" "6468413" "6492197" "6613663").PN. OR ("6995084").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/30 16:40 |
| S95 | 5008 | S94 and @ad<="20040421" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:29 |
| L10 | 27 | L9 and seed with wet near3 etch\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:29 |
| L9 | 214 | L8 and @ad<="20040421" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:29 |
| L8 | 330 | L7 and barrier and seed | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:29 |
| L7 | 8765 | ((438/612-617) or (257/737)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/30 16:29 |
| L6 | 4 | L1 and seed with etch\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:17 |

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| L2 | 2 | L1 and seed with wet adj etch\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:17 |
| L5 | 7 | L1 and etch with bump | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:09 |
| L4 | 0 | L1 and etch with (seed and bump) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/30 16:09 |
| L3 | 2 | ("6448171").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/30 16:09 |
| L1 | 33 | (US-20020121692-\$ or US-20030157792-\$ or US-20020072215-\$ or US-20020028582-\$).did. or (US-6878633-\$ or US-6544878-\$ or US-6586323-\$ or US-5418186-\$ or US-5503286-\$ or US-5937320-\$ or US-5108950-\$ or US-6293457-\$ or US-5171711-\$ or US-6436300-\$ or US-4927505-\$ or US-4849376-\$ or US-5211807-\$ or US-6440870-\$ or US-4431477-\$ or US-4923562-\$ or US-4838990-\$ or US-4243476-\$ or US-4849124-\$ or US-5143866-\$ or US-6794301-\$ or US-4487652-\$ or US-6433427-\$ or US-5293071-\$ or US-4258382-\$ or US-5010389-\$). did. or (US-6583039-\$ or US-5838067-\$ or US-5384283-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/11/30 16:00 |
| S11 8 | 28 | S117 and @ad<="20040421" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 14:11 |

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| S11 7 | 39 | S115 and (barrier with (dry or anisotropic or RIE or ion) near3 etch\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 14:10 |
| S11 6 | 1132 | S115 and barrier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 14:10 |
| S11 5 | 4886 | S114 or S113 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 14:10 |
| | | S115 and (barrier with (dry or anisotropic or RIE or ion) near3 etch\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 14:10 |
| S11 4 | 2317 | (438/614).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/28 14:09 |
| S11 3 | 2712 | (257/737).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/28 14:09 |
| S11 2 | 27 | ("4742023" "4800177" "4855251" "4880708" "4923827" "4948754" "4997778" "5000818" "5006478" "5057447" "5059553").PN. OR ("5171711"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/28 11:26 |
| S11 1 | 25 | ("4272561" "4273859" "4293637" "4427715" "4742023" "4861425" "5010389" "5027188" "5171711" "5268072" "5298459").PN. OR ("5384283"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/28 11:24 |

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| S110 | 42 | ("3311966" "3495133" "3604989" "3686698" "4029562" "4319264" "4386116" "4480288" "4552615" "4675717" "4739389" "4866507").PN. OR ("5010389").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/28 11:22 |
| S109 | 10 | ("3585461" "4742023" "4787958" "5010389" "5293071" "5376584" "5631499").PN. OR ("5838067").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/28 11:21 |
| S108 | 6 | ("3689991" "4263606").PN. OR ("5293071").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/28 11:20 |
| S107 | 0 | S103 and (barrier near5 slop\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:19 |
| S106 | 2 | S103 and (barrier near5 angl\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:19 |
| S105 | 1 | S103 and (barrier near5 taper\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:19 |
| S104 | 12 | S103 and (barrier with (skirt\$3 overlap\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:19 |
| S101 | 1 | S95 and (barrier near5 taper\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:18 |
| S100 | 6 | S95 and (barrier with (skirt\$3 overlap\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:18 |

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| S10 3 | 7060 | S102 and @ad<="20040421" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:17 |
| S10 2 | 8756 | ((438/612-617) or (257/737)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/28 11:17 |
| S94 | 6084 | (438/612-614).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/28 11:17 |
| S97 | 59 | S95 and (barrier with (extend\$3 skirt\$3 overlap\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:13 |
| S99 | 9 | S97 and ((dry or ion) near3 etch\$3) with barrier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:12 |
| S98 | 24 | S97 and ((dry or ion) near3 etch\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:10 |
| | | S97 and (dry or ion) near3 etch\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:08 |
| S96 | 31 | S95 and (barrier near5 (extend\$3 skirt\$3 overlap\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:07 |

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| | | S95 and (barrier near5 (extend\$3 skirt\$3 overlap\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/28 11:07 |
| | | ("L1and@ad<="20040421").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/28 11:06 |

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SJF

11/30/07